

Patent Claims:

1. An elevator, comprising: a car; a supporting body; suspension or hoisting means for carrying an operating weight, which suspension or hoisting means rests against the supporting body, the suspension means being one of rope-shaped and belt-shaped; a rope-shaped or belt-shaped power transmission means for moving the suspension or hoisting means via at least one moving surface; and a drive arranged to drive the power transmission means, the power transmission means being in tension against the suspension or hoisting means.
2. An elevator in accordance with claim 1, wherein the power transmission means is in contact with the supporting body.
3. An elevator in accordance with claim 2, wherein the power transmission means is in direct contact with the supporting body via at least one moving surface of the power transmission means.
4. An elevator in accordance with claim 1, wherein the power transmission means is formed as a loop.
5. An elevator in accordance with claim 1, and further comprising clamping means for clamping the power transmission means against the suspension or hoisting means, the clamping means being one of rope-shaped and belt-shaped.
6. An elevator in accordance with claim 1, wherein the power transmission means has layers for a take up of traction forces, the layers being made of at least one of the group consisting of steel, nylon, aramide and zylon.

7. An elevator in accordance with claim 1, wherein the power transmission means has a casing made of one of polyurethane and nylon.
8. An elevator in accordance with claim 5, wherein the clamping means has layers for a take up of traction forces, the layers being made of at least one of the group consisting of steel, nylon, aramide and zylon.
9. An elevator in accordance with claim 5, wherein the clamping means has a casing made of one of polyurethane and nylon.
10. An elevator in accordance with claim 1, wherein the suspension or hoisting means is an outside, interlaced, toothed belt.
11. An elevator in accordance with claim 1, and further comprising a regulating brake, the drive being operative only for accelerating the car and for braking the car via the regulating brake.
12. An elevator in accordance with claim 1, wherein the supporting body is configured not to have an independent brake.
13. An elevator in accordance with claim 1, and further comprising a clamping device arranged so as to stretch the power transmission means and the suspension or hoisting means against the supporting body, the clamping device being operatively arranged to act as a brake.
14. An elevator in accordance with claim 1, and further comprising a decelerating brake for the car.
15. An elevator in accordance with claim 13, wherein the clamping device is configured to exert a tension force that is variably adjustable.

16. An elevator in accordance with claim 1, wherein the drive is a gearless linear drive.
17. An elevator in accordance with claim 1, wherein the drive is configured to have an oblong, cylindrical shape.
18. An elevator in accordance with claim 1, wherein the drive is a flat external rotor motor.
19. An elevator in accordance with claim 1, wherein the power transmission means, the suspension or hoisting means and the supporting body are in direct mutual contact and have coefficients of friction of friction ≥ 0.2 .
20. An elevator in accordance with claim 19, wherein the coefficients of friction are ≥ 0.3 .
21. An elevator in accordance with claim 20, wherein the coefficients of friction are ≥ 0.4 .
22. An elevator in accordance with claim 21, wherein the coefficients of friction are ≥ 0.6 .
23. An elevator in accordance with claim 19, wherein the coefficients of friction are ≥ 0.9 .
24. A clamping device for an elevator with a rope-shaped or belt-shaped suspension or hoisting means for carrying an operating weight, which rests against a supporting body, with a rope-shaped or belt-shaped power transmission means for moving the suspension or hoisting means via at least one moving surface, and a drive to drive the power transmission

means, the power transmission means being stretched against the suspension or hoisting means, the clamping device comprising an apparatus that at least one of stretches the power transmission means and the suspension or hoisting means against the supporting body, and stretches the power transmission means and the suspension or hoisting means and a clamping means that is at least one of rope-shaped and belt-shaped against the supporting body.

25. A clamping device in accordance with claim 24, wherein the apparatus is formed by at least two components of the elevator which are moveable relative to each other so that at least one of the power transmission means, the suspension or hoisting means, and the clamping means are tensionable against and releasable from the supporting body
26. A process for maintaining an elevator having a car, a rope-shaped or belt-shaped suspension or hoisting means for carrying an operating weight, which rests against a supporting body, a rope-shaped or belt-shaped power transmission means for moving the suspension or hoisting means via at least one moving surface, a drive for driving the power transmission means, a clamping device which at least one of stretches the power transmission means and the suspension or hoisting means against the supporting body, and stretches the power transmission means and the suspension means or hoisting means and a clamping means that is at least one of rope-shaped and belt-shaped against the supporting body, the process comprising the steps of: releasing a power transmission means to be replaced from the supporting body; removing the power transmission means to be replaced; positioning a replacement power transmission means in place of the removed power transmission

means to be replaced; and stretching the replacement power transmission means against the supporting body.

27. A process in accordance with claim 26, wherein the stretching step includes stretching the power transmission means and the suspension or hoisting means with a clamping means having at least one of rope-shaped and belt-shaped form that is separated physically from the power transmission means and from the suspension or hoisting means, the process further including replacing the clamping means by releasing the clamping means to be replaced, removing the clamping means to be replaced, positioning a replacement clamping means in a place of the clamping means to be replaced, and stretching the replacement clamping means.
28. A process in accordance with claim 27, including separately replacing the power transmission means to be replaced and the clamping means to be replaced.
29. A process in accordance with claim 27, including replacing the power transmission means to be replaced and the clamping means to be replaced together.
30. A process for modernizing an elevator having a car, a rope-shaped or belt-shaped suspension or hoisting means for carrying an operating weight, a driving disk for moving the suspension or hoisting means, the driving disk having a drive, the process comprising the steps of: separating the driving disk and the drive of the driving disk from one another; installing a power transmission means that is at least one of rope-shaped and belt-shaped for moving the suspension or hoisting means; and stretching the power transmission means and the suspension or hoisting means against at least one supporting body.